

AMENDMENT

Please amend the application without prejudice, without admission, without surrender of subject matter, and without any intention of creating any estoppel as to equivalents, as follows:

In the Claims:

1-25. (Cancelled)

26. (Currently amended) An isolated nucleic acid molecule encoding a protein with the function of a potato α -glucosidase, selected from the group consisting of

- a) nucleic acid molecules which encode a protein which encompasses the amino acid sequence stated under SEQ ID NO: 2,
- b) nucleic acid molecules which encompass the nucleotide sequence shown under SEQ ID NO: 1;
- c) nucleic acid molecules which have over ~~70% homology~~ 85% sequence identity to the nucleotide sequence shown under SEQ ID NO:1, and
- d) nucleic acid molecules whose nucleotide sequence deviates from the sequence of the nucleic acid molecules stated under a) or b) owing to the degeneracy of the genetic code.

27. (Cancelled)

28. (Currently amended) [[A]] The nucleic acid molecule as claimed in claim 26, which is a deoxyribonucleic acid molecule.

29. (Currently amended) [[A]] The nucleic acid molecule as claimed in claim 26, which is a cDNA molecule.

30. (Currently amended) [[A]] The nucleic acid molecule as claimed in claim 26, which is a ribonucleic acid molecule.

31. (Currently amended) An isolated nucleic acid molecule which specifically hybridizes with [[a]] the nucleic acid molecule as claimed in claim 26, under highly stringent conditions, wherein the wash buffer contains 0.2X SSC and the hybridization temperature is 68°C and the wash temperature is 68°C.

32. (Currently amended) A vector comprising [[a]] the nucleic acid molecule as claimed in claim 26.

33. (Currently amended) A vector comprising [[a]] the nucleic acid molecule as claimed in claim 26, wherein the nucleotide sequence encoding a protein with the function of an α -glucosidase or parts thereof is present in sense or antisense orientation.

34. (Cancelled)

35. (Cancelled)

36. (Currently amended) A vector comprising [[a]] the nucleic acid molecule as claimed in claim 26, which is linked to regulatory elements ~~which ensure transcription and synthesis of an RNA, which is optionally translatable, in a pro- or eukaryotic cell~~ that initiate transcription of RNA in a cell.

37. (Currently amended) A host cell which is transformed with [[a]] the nucleic acid molecule as claimed in claim 26, ~~the or a~~ vector as claimed in claim 32, or a cell which is derived from the host cell, and which comprises said nucleic acid molecule or vector.

38. (Currently amended) A method for making ~~process for the generation of~~ a transgenic plant cell which synthesizes a modified starch, wherein [[a]] the nucleic acid molecule as claimed in claim 26 or [[a]] the vector as claimed in claim 32 is integrated into the genome of a plant cell.

39. (Currently amended) A plant cell which is ~~obtainable by a process as claimed in~~ made by the method of claim 38.

40. (Previously added) A transgenic plant comprising the nucleic acid molecule of claim 26.

41. (Previously added) A transgenic plant comprising the plant cell of claim 39.

42. (Cancelled)